

ABSTRACT OF THE DISCLOSURE

A communication system is disclosed that is capable of reducing data delay in transmitted hierarchized data and selecting predetermined data
5 from the transmitted hierarchized data for communication according to conditions of the receiving end. The communication system includes a signal transmitting device that hierarchizes data to be transmitted and transmits the hierarchized data,
10 and a signal receiving device that receives the data from the transmitting device. The signal transmitting device includes a hierarchized data transmitting unit that hierarchizes the data to be transmitted into a number of layers and transmits
15 the data layers. The signal receiving device includes a layer identifying unit that identifies the data layers transmitted from the signal transmitting device, and a hierarchized data receiving unit that selects the identified data
20 layers according to at least one of receiving capability and a propagating environment of the signal receiving device, and receives the selected data layers.

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